

however, radically different practices also appear, pointing to gaps in the thinking about place through the discourse of climate.

The primary conclusion of this thesis, then, is that the climatic thinking in modern architecture in West Africa is not neutral. It appears to operate as a discourse, wherein a field of knowledge is constructed and maintained through dominance. Certain knowledge or practices are cast outside the boundaries of this discourse by being rendered invisible in its statements, while other forms of behaviour are assumed and reproduced in its forms.

The identity of climatic thinking, as that of the architects who worked with it, was tied to the development of colonialism and modernity. Even its post-colonial use was in some ways prefigured by the colonial architects who set up structures to promote and reproduce this form of thinking.

This leads to a secondary conclusion, based on my perspective as an architect in Africa, that the value of climatic thinking in modern architecture should be seen in an ambivalent way. Learning from the users of tropical architecture in Ghana today, we should use it where it fits our needs, and reject it where it does not. This might create contradictions from a western perspective, but that is not how it will be seen from here. For Africans, such negotiations through the stuff of which the environment is made are simply part of life.

7.2 Directions for further work

The shortcomings of any research on Africa necessarily lie in the absence of a written record of much of its history. Within this project, there have been times where it has been necessary to generalise and omit detail simply because of the lack of existing records on the work of modern architects in West Africa. The first direction for further work then is towards a more thorough recording and dissemination of this body of work, in its various forms, including built and unbuilt designs, texts and oral histories. This involves locating such material in archives in Britain and Africa, and visiting people and sites connected to

the work. This needs to be tied to a more detailed analysis of the context in which it was inserted. In particular, the multiple responses of Africans to modernism need to be researched and articulated.

While the picture that this thesis presents is of a fairly unified approach to architecture, there are interesting nuances and even contradictions in this. It has been particularly interesting to note that there were exceptional cases where individual architects tried to make something else of the encounter between western and African cultures that is so often expressed as a contrast in the mainstream discourse. To research these instances, a particularly fine grain approach to the history of architecture that is focussed on individual biographies needs to be undertaken.

Finally, this research points to a broader field of engaged scholarship. This relates to questions about the politics of (and around) architecture. While there is a significant, and growing body of work that locates architecture within a field of contestations, this needs to be extended to non-western sites. Just as there is a need for dialogue, grounded in real issues, between architects and critics, there is an equally urgent need for a critical relationship between the centres and margins of architectural discourse. The periphery, including Africa, needs to talk back to a discipline that has largely talked to and about it.

APPENDIX

CHRONOLOGY OF WORKS BY ARCHITECTS

year	Gold Coast/Ghana	Nigeria
		Nigerian Public Works Department Federal Ministry of Works (1960-) Akinsemoyin and Vaughan-Richards 1977 Arch & Bldg News 1956
1957		Teaching Hospital, Lagos (with Watkins Gray)
1960		Independence House, Lagos
	Ministry of Works, Ghana Kultermann 1969	
1962	Junior Staff Housing, Christianborg Castle, Accra (DA Barrett Architect)	
		Ronald Ward and Partners Established in Lagos, Nigeria in 1940 Prucnal-Ogunsote 1993 Arch & Bldg News 1957: 707
1957		Brooke Bond Building Apapa Lagos
Practice :	Fry, Drew and Partners Fry, Drew, Drake and Lasdun Maxwell Fry b1899 and Jane Drew b1911, Drake and Denys Lasdun	

year	Gold Coast/Ghana	Nigeria
	Fry and Drew 1956 Fry and Drew 1966 AD 1955 AR 1953 Fry 1972	
1944-	Town planning scheme for Accra	
1944-	Village planning, Gold Coast	
1945	Gold Coast schools programme:	
1946	Amedzofe, Togo	
1947	Akropong	Masterplan for Ibadan University and institutions (with Drake and Lasdun)
	Adisadel	
1950	Accra Community Centre	Trenchard Hall
		Administration building
1950		Arts Faculty
1951	Opukuware, Kumasi (with Drake and Lasdun)	Library
	St Andrew's, Mampong	College Residences
		Staff houses
1952	Wesley	Nigeria Royal Exchange Co. 1951
1953	Prempeh College, Kumasi (1953 on site)	
	St. Mary's, Somanya	
	St. Francis, Ho-hoe	
	St. Joseph's, Bechem	
	Mfantipim, Cape Coast (with Drake and Lasdun)	
	Mawuli, Ho	
1953	Apowa Training College, Takoradi	
	St. Monica's, Mampong (with Drake and Lasdun)	

year	Gold Coast/Ghana	Nigeria
1954	Private houses: Accra Leventis Store, Accra (with Drake and Lasdun) Tarkwa Community Centre (with Drake and Lasdun) Tema Village and housing (with Drake and Lasdun)	
1955		Ibadan Cooperative Bank offices and stores (with Drake and Lasdun)
1956		Cooperative Bank assembly hall and maisonettes (with Drake and Lasdun)
1958		Wudil teacher training college (with Drake and Lasdun)
1959		Holy Cross School
1960		St. Matthew's School, Lagos St Patrick's School, Lagos housing Offices for Longmans Green Kano Women Teachers' training college (with Drake and Lasdun)
1961		Offices for Cooperative Bank of Western Nigeria Lagos (with Drake and Lasdun)
1965		Offices for Longmans Green house at Ikoyi, Lagos house, Ikeja, Lagos BP Headquarters, Lagos Olympic stadium and Swimming Pool, Kaduna

year	Gold Coast/Ghana	Nigeria
	Cubitt, Scott and Partners James Cubitt and Partners James Cubitt 1914-1983 Kenneth Scott, Fello Atkinson, Richard Maitland, Stefan Buzas, Keith Banks Began work in Gold Coast in 1951 Established Nigerian offices in 1957 AR 1953 Richards 1961	
1951	Master Plan, College of Technology (KNUST), Kumasi	
1951-7	Engineering Workshop, KNUST	
	Type A house, KNUST	
	Type B house, KNUST	
	E line houses, KNUST	
	Pharmacy block, KNUST	
	Lecture room block, KNUST	
	Sekondi Secondary School	
	Teachers' training college	
	Jasikan teachers training College	
	Accra technical institute	
	Berekum teachers training college	
1957	Industrial Development Corporation Offices, Accra	
	Einhorn Houses (library board bungalows)	
	Saunders Houses, Kumasi	
	Hardy Guest House, Accra	
	Cape Coast regional Library	
	Sekondi Regional Library	
1958		Plan for Nsukka new Town (with Banks and Keonigsberger)

year	Gold Coast/Ghana	Nigeria
1965		Plan for Nsukka University Elder Dempster Shipping Offices , Lagos (with Banks) Port Harcourt library Houses, Lagos
Practice :	Kenneth Holgate Richards 1961	All Saint's Cathedral, Onitsha Stores and Flats, Tinubu Street
1947	Mfantsipim School, Gold Coast	
	Kenneth Scott Kultermann 1963 Richards 1961	Western House, Lagos
195- 1961	generic Regional library for Koforidua, Tamale Offices and showrooms for United Motor Co Police headquarters, Accra Mobiloil houses, Tesano Kurle Bu hospital (with William Vetter)	School Offices for department of Marketing and Export Port Authority housing Amar-ur-Deen School East Oil Terminal Lagos Shell SP company house, Enugu Amar-ur-Deen School, Lagos
196?	British Council offices Easman houses, Accra Own house, Accra	
	Douglas Stephen and Partner (UK) Walter 1955:55	
1954	The Cruden Tropical House	British Hotel, Lagos

year	Gold Coast/Ghana	Nigeria
	Nickson and Borys Richard Nickson Richards 1961 Evans 196- AD 1954	
1954	Regional Library, Kumasi	Houses, Lagos All Saint's Cathedral, Onitsha Stores and Flats, Tinubu Street
1956	Branch libraries at Ho, Kpandu, Jasikan, Kononga	
1960	Central Library, Accra	Western House, Lagos
Practice :		Architects Co-Partnership Leo de Syllac Arch & Bldg News 1957 AD 1959
1954		School
1955		Offices for department of Marketing and Export Port Authority housing Ansar-u-Deen School Esso Oil Terminal Lagos Shell/BP company house, Enugu Ansar-ur-Deen School, Lagos School, Olowogbowo School, Edute Metta, Lagos Schools Bristol Hotel, Lagos
1957		
1959		
1961		

year	Gold Coast/Ghana	Nigeria
		Design Group Nigeria Established 1954 D.M. Webster C. Rowell Prucnal-Ogunsote 1993
1957-1967		Schools for Catholic Mission Schools for Methodist Mission Schools for Baptist Mission Teachers' Training College, Mana Teachers' Training College, Minna Government Craft School, Mashi Teachers Training College, Oshogbo International House, University of Ibadan Various buildings, University of Ibadan Legon University Teachers Training Colleges in Sokoto, Gusua
1957		
1962		
1966		
1962		
1960's	Tamale Airport Market, Ashanti Housing, University of Ghana, Legon	
1955		Godwin and Hopwood John Godwin b1928 Gillian Hopwood b1927 Established practice 1955 Kultermann 1963 Richards 1961
1956		Christ Church Cathedral School, Lagos Own house, Lagos Island School for the Deaf, Surulere, Lagos West African Examinations Council
1957		

year	Gold Coast/Ghana	Nigeria
1958		Broadcasting Houses, Enugu House at Apapa Allen and Hanbury House Kano, House WAEC semi-detached housing G&H Highpoint, Kaduna (offices for practice)
1959		Tower Aluminium Factory, Ikeja Metal Box factory, Apapa Northern Police College, Kaduna New Nigerian Newspapers Press
1960		
1962		
1966		
Practice		Oluwole Olumuyiwa and Associates b1929 Established practice in 1958 Kultermann 1969, 2000 Prucnal-Ogunsote 1993
1958		Architecture House, Lagos Crusader House, Lagos Municipal School, Lagos School Library Service, Lagos College of Engineering, Ibadan
1963		
1964		
1967		
		Becker and Voight Richards 1961
1957		Own house, Apapa Lagos

year	Gold Coast/Ghana	Nigeria
		Alex Ifeanyi Ekwueme Kultermann 1969
1962 1967		Hospital for Nigerian Railway Corp Laboratory, St. Gregory's College, Lagos
		Alan Vaughan-Richards Kultermann 1969
196-		University of Nigeria Staff Housing Own house, Lagos
		Adedokun.A. Adeyemi Kultermann 2000
1966		YMCA

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